

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

SBR/10-80/16-17

No. First & Final Bill

(For Other Works)

Date 22-7-2016

Division: **BBMP, Byatarayanapura**

Sub-Division: **BBMP, Vidyaranyapura**

Bill Received No. 297

Dated 25-7-16

Divisional

Sub Divisional

Cash Book Voucher No..... Dated.....

Work Code: **011-16-000023**

Schedule Docket No.

Head of Account: **P3110**

Est.Cost: **25.00 Lakhs**

D.R.No. :

Name of Work (as per sanctioned estimate: **Developmental Works for Providing Drinking Water Facility in Kuvempunagara Ward in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.**

Name of Contractor and Full Address: **Karnataka Rural Infrastructure Development Limited, # 119, 11th Cross Road, Silvestra Archd, 3rd Floor, East Park Road, Malleshwaram, Bangalore - 03.**

Reference to Agreement No. **EE/BTP/BBMP/KRIDL/VO/285/2015-16**

Dated: **11.03.2016**

Certified that the measurements were taken by me on 18-07-2016 and recorded of Pages

to

of measurement Book No. 2659/16-17 and that the work is satisfactorily executed.

265801 265820

Contractor

Certified that the measurement were taken by me on 18/7/16 and found correct. The work is satisfactorily

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Officer-in-charge of work

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

II Memorandum of Payment

Sub-Division Officer

- 1) Total value of work done or supplies made as per account within
- 2) Deduct amount to be held in reserve being percent Rs.....
- 3) " Balance
- 4) Deduct Payment:

a. Amount of previous payment as in the Office Cash Book Voucher

No.....Dated.....S.D. No.....

adjusted towards cash advance recovery of

Payments cost store or other material supplied.

Now made recovery of amount creditable to this/other work

Amount paid on this bill Cheque / Cash.

- 5) Balance being unpaid value of work done held in reserve.
- 6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.
- 7) Net amount due to or from Contractor un adjustments items.
- 8) Advance to Contractor for materials brought to site (as detailed) within.
- 9) Value of Government materials supplied.

Total amount adjusted

Contractor's Signature

Received Rs..... (in words).....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

Witness

1.

2.

Dated

Signature of Contractor

Paid by Assistant Executive Engineer

Dated

Byatarayanapura Sub-division

KRIDL BBMP, Bangalore

Initials of Officer making payment

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

(For use in the Office)

Audited & Admitted to Rs

Stamp

2494390-00

2153288-00

341109-00

Executive Engineer

Byatarayanapura Sub-division

BBMP

Sl. No.		Unit
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Water in the vicinity, its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging technical personal and labour required etc., as per Specification and direction ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Each BW
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 0 to 50 m	Rmtr
3	50 to 100 m	Rmtr
4	100 to 150 m	Rmtr
5	150 to 200 m	Rmtr
6	200 to 250 m	Rmtr
7	250 to 300 m	Rmtr
8	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr
9	Providing 250mm dia PVC Pipe 6kg/cm as per specification and direction of the Engineer in Charge of the work	Rmtr
10	Providing and fixing 175mm Borewell Cap with clamp Set H/D,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.
11	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for operation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required accessories such as suction, casing suction strainers sand guard Non return valve etc. complete . The pump and motor shall form an integral unit with all the required fittings Engineer-in-charge of the work 15 HP 30 stage	No
12	Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour, charges HOM of equipments etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr
13	Heavy Duty Collar 50 mm dia	Nos
14	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 3c x 6sqmm	Mtr
15	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost) with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
16	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	~~3~~	1882.00	5646.00	~~3.00~~	5646.00	
-	-	~~150.00~~	315.18	47277.00	~~150.00~~	47277.00	
-	-	~~150.00~~	412.00	61800.00	~~150.00~~	61800.00	
-	-	~~150.00~~	458.35	68752.50	~~150.00~~	68752.50	
-	-	~~150.00~~	484.10	72615.00	~~150.00~~	72615.00	
-	-	~~150.00~~	560.32	84048.00	~~150.00~~	84048.00	
-	-	~~150.00~~	600.49	90073.50	~~150.00~~	90073.50	
-	-	~~210.00~~	1325.00	278250.00	~~210.00~~	278250.00	
-	-	~~54.00~~	754.47	40741.38	~~54.00~~	40741.38	
-	-	~~3~~	100.00	300.00	~~3.00~~	300.00	
-	-	~~3~~	70600.00	211800.00	~~3.00~~	211800.00	
-	-	~~780.00~~	431.00	336180.00	~~780.00~~	336180.00	
-	-	~~130~~	130.00	16900.00	~~130.00~~	16900.00	
-	-	~~1620.00~~	188.70	305694.00	~~1620.00~~	305694.00	
-	-	~~3~~	3000.00	9000.00	~~3.00~~	9000.00	
-	-	~~3~~	302.00	906.00	~~3.00~~	906.00	

Sl. No.		Unit
17	Supplying of LTUG cable having aluminium conductor PVC insulated sheathed, galvanised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 4 core 16 Sqmm Group A	Mtr
18	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 6 Sqmm to 16 Sqmm confirming GTP Group A	Mtr
19	Digging or trenching of 0.6 m x 0.5 m wide refilling the trench to the required ground level and consolidating etc., complete as per Civil SR KSRB 1-2 P-7 with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr
20	Supplying and fixing of Class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 40 mm dia	Mtr
21	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.
22	Supplying, 16 sqmm fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal proportion of soil and charcoal 150 mm around the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 through holes of 122 mm dia, (PWD Electrical SR-1999-2000, with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
23	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 32 Amps	No.
24	Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
25	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
26	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour etc., complete and as per the directions of the Engineer-in-charge of the work	No
27	Supplying shunt trip suitable for MCCB / CBCT conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
28	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing material wiring complete as required 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work group A	No
29	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Sq.Cm
30	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset etc., complete and as per the directions of the Engineer-in-charge of the work 12.5 HP to 15 HP	No.

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
		~~90.00~~	~~140.40~~	~~12636.00~~	~~90.00~~	~~12636.00~~	
		~~90.00~~	~~10.80~~	~~972.00~~	~~90.00~~	~~972.00~~	
		~~75.00~~	~~85.00~~	~~6375.00~~	~~75.00~~	~~6375.00~~	
		~~12.00~~	~~345.00~~	~~4140.00~~	~~12.00~~	~~4140.00~~	
		~~3~~	~~280.00~~	~~840.00~~	~~3.00~~	~~840.00~~	
		~~3~~	~~2727.00~~	~~8181.00~~	~~3.00~~	~~8181.00~~	
		~~18~~	~~180.00~~	~~3240.00~~	~~18.00~~	~~3240.00~~	
		~~3~~	~~1579.40~~	~~4738.20~~	~~3.00~~	~~4738.20~~	
		~~3~~	~~227.90~~	~~683.70~~	~~3.00~~	~~683.70~~	
		~~12~~	~~104.30~~	~~1251.60~~	~~12.00~~	~~1251.60~~	
		~~3~~	~~1486.00~~	~~4458.00~~	~~3.00~~	~~4458.00~~	
		~~3~~	~~1547.00~~	~~4641.00~~	~~3.00~~	~~4641.00~~	
		~~70200.00~~	~~0.33~~	~~23166.00~~	~~70200.00~~	~~23166.00~~	
		~~3~~	~~11000.00~~	~~33000.00~~	~~3.00~~	~~33000.00~~	

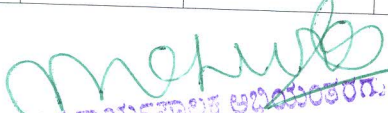
Sl. No.		Unit
31	Earthwork excavation for pipeline foundation including deporting or bank up to a depth of 50 mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following structure manhole with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
32	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and including lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 75mm Dia 6 KSC	Rmtr
33	Refilling the bumont and pipeline treanches with seclated available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
34	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specification with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Each
	Total	
	97. Add 8% Service charge to KRIDL	
	BESCOM Deposit and Meter Charges $1889+100+6300=8289.00$	
	BESCOM Deposit and Meter Charges $1889+100+7400=9389.00$	
	Grand Total	

CERTIFICATE

1. Certified that the above work done satisfactory and no materials issued from departmentally.

Handwritten signature and initials:
 26
 AE. 12-11

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
		~~805.50~~	~~188.00~~	~~151434.00~~	~~805.50~~	~~151434.00~~	
		~~1790.00~~	~~157.00~~	~~281030.00~~	~~1790.00~~	~~281030.00~~	
		~~770.00~~	~~61.00~~	~~46970.00~~	~~770.00~~	~~46970.00~~	
		~~33~~	~~2120.00~~	~~69960.00~~	~~33.00~~	~~69960.00~~	
				~~2287699.88~~		~~2287699.88~~	
				~~183015.99~~		~~183015.99~~	
		1	8289.00	8289.00	1	8289.00	
		2	9389.00	18778.00	2	18778.00	
				~~2497782.87~~		~~2497782.87~~	


 ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ ಅಭಿವೃದ್ಧಿ
 ವಿದ್ಯಾರಣ್ಯಪುರ ಹಿರಡ ವಿಭಾಗ
 ಯಶವಂತ ಪರಮ,
 ಬೃ. ಬೆಂ. ಮ. ಸಾ., ಬೆಂಗಳೂರು-97

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 183015.99